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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NOVEL BACILLUS 029CEL CELLULASE

The translated 029cel protein composed of 581 amino acids

MNFSLPIRFF GIGPTAGFFL LLMGSSALVA STHTDKIRID QFGYPADATK	50
VAVIADPQIG WNSAESYSPG ATLEVRRVND GVVVFSGSPV PWNGGAIHQ	100
SGDRVWWFDF TVVAEPGHYR IHDPANNTHS DSFAIGADVY DVVLREAVRM	150
FFYQRSGFAK EVPYAHANWA DAASHPQDVA SRPIWDMGNA SLERDLGGW	200
FDAGDFNKYS EWTGRVILEL LLAYQGRPDV FTDDFGIPES GNGVPDLLDE	250
VWKWMDWLLR MQEPSGAILG KVSVTGHQSA SPPSTDTHPR YYGPVSTEAT	300
AMAAAFAFLG ATVFESVGMS DYAVTLESAA IAAWNWTMVH PHVPFDNTGF	350
ASVSPSRNAH DTLANRVMAA AMLFERTGGA VYRDFFDVRY LDMEPVQWWY	400
FFPFQGELQK ALAHYTTLPG ATPSVSADIR NRMAASINGG EFLGAWNNQT	450
DAYRAYLKQ DYTWSNKTQ SQAGFFFEGV RRLGLNPADA AAHRDAAMGY	500
LHYLHGVPNPM GMVYLSNMYA SGADRAANEI YHHWFRDGRT GTMPSLHSTV	550
PLLVFFRAGP NAQIQRKHSG DPRPTRAKSL P	581

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(57) Abstract: The present invention provides a novel cellulase nucleic acid sequence, designated 029cel, and the corresponding 029cel amino acid sequence. The invention also provides expression vectors and host cells comprising a nucleic acid sequence encoding 029cel, recombinant 029cel proteins and methods for producing the same.